

Storm Data and Unusual Weather Phenomena

November 1996

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
TEXAS, North									
Throckmorton County									
Throckmorton	06	1824CST			0	0			Hail (0.75)
A very moist and unstable air mass established itself over northern Texas on the 6th. By early afternoon, a cold front had moved into the northwestern portions of the area. The frontal movement slowed considerably due to an approaching upper level disturbance causing thunderstorms that developed to propagate over the same areas for several hours. Locally heavy rainfall and flooding resulted, especially in Denton, Grayson and Tarrant Counties.									
This heavy rain event ultimately evolved into a widespread severe weather event shortly before midnight as the upper level disturbance finally ejected out across the southern plains and the cold front accelerated. Severe thunderstorms that developed over the Big Country evolved into a series of damaging wind storms or "bow-echoes" as they moved into the southwestern portions of northern Texas. These thunderstorms moved rapidly eastward across the southern portions of North Texas between 2200CST November 6th and 0300CST November 7th. Widespread wind damage, due to convective gusts measured in excess of 90 mph, resulted in millions of dollars in damage.									
Throckmorton County									
Elbert	06	1947CST 2100CST			0	0			Flash Flood
Major street flooding was reported after 6.8 inches of rain fell over the area in just a few hours.									
Grayson County									
Denison	06	2000CST 2200CST			0	0			Flash Flood
Water covered Highway 120 resulting in the road being closed.									
Jack County									
Antelope	06	2012CST			0	0			Hail (0.75)
Denton County									
Denton	06	2039CST 2200CST			0	0			Flash Flood
Street flooding was reported with one car stalling in high water.									
Denton County									
Denton	06	2238CST 2345CST			0	0			Flash Flood
Numerous roads throughout the county were flooded and closed after 6 to 8 inches of rain fell in a few hours time. Water flowed over several bridges in low-lying areas throughout the county.									
Comanche County									
Comanche	06	2245CST			0	0			Thunderstorm Wind (G52)
Comanche County									
8 W Comanche	06	2245CST			0	0			Hail (1.00)
Comanche County									
Comanche	06	2300CST			0	0	20K		Thunderstorm Wind
Numerous trees were blown down and a mobile home lost its roof due to high winds.									
Comanche County									
Newburg	06	2301CST			0	0			Hail (1.00)
Hamilton County									
5 N Hamilton	06	2330CST			0	0			Thunderstorm Wind (G52)
Tarrant County									
Azle	06 07	2355CST 0100CST			0	0			Flash Flood
Roads were reported flooded in and around town.									
Tarrant County									
Ft Worth	06 07	2355CST 0100CST			0	0			Flash Flood
Several roads were reported flooded around the city.									
Coryell County									
King	06	2355CST			0	0			Thunderstorm Wind (G61)
Coryell County									
Ft Hood Aaf	07	0020CST			0	0			Thunderstorm Wind (G52)

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TEXAS, North									
Bosque County									
Meridian	07	0020CST			0	0			Thunderstorm Wind (G52)
									Large tree limbs were blown down by high winds.
Mclennan County									
7 W Waco	07	0020CST			0	0			Thunderstorm Wind (G52)
Bell County									
Killeen	07	0023CST			0	0	450K		Thunderstorm Wind (G80)
									Wind gusts estimated at 80 mph damaged homes, lifted the roof off one home, and blew down trees and power lines. Wind gusts measured at 92 mph at the Killeen Municipal Airport destroyed a hangar and two planes within the hangar.
Mclennan County									
China Spg	07	0030CST			0	0	4K		Thunderstorm Wind
									A roof was blown off a garage.
Mclennan County									
Waco	07	0030CST			0	0	150K		Thunderstorm Wind
									A building was damaged, the roof was blown off a mobile home, and signs and power lines were blown down by strong winds.
Mclennan County									
Eddy	07	0030CST			0	0	10K		Thunderstorm Wind
									A truck was rolled and blown off of I-35.
Bell County									
Moffat	07	0030CST			0	3	150K		Thunderstorm Wind
									Ten mobile homes were damaged by high winds. One of the mobile homes was blown over with several injuries resulting. Trees, power lines and signs were also blown down.
Collin County									
2 SW Melissa	07	0030CST 0200CST			0	0	10K		Flash Flood
									Flooding and subsequent road closures occurred at Farm-to-Marker Road 543 and Highway 75. A nearby home was flooded and had 5 inches of water on it.
Hill County									
Itasca	07	0030CST			0	0	2K		Thunderstorm Wind
									Signs were blown down by high winds.
Ellis County									
Midlothian	07	0043CST			0	0			Thunderstorm Wind (G52)
Mclennan County									
Moody	07	0045CST			0	0			Thunderstorm Wind (G61)
Mclennan County									
Bellmead	07	0045CST			0	0			Thunderstorm Wind (G61)
Hill County									
Hubbard	07	0050CST			0	0	100K		Thunderstorm Wind
									The roof was blown off a church.
Ellis County									
Ferris	07	0053CST			0	0			Thunderstorm Wind (G52)
Tarrant County									
Azle	07	0100CST 0400CST			0	0	50K		Flash Flood
									Roads were closed due to high water and two bridges were washed out after 5 inches of rain fell in a couple hours.
Tarrant County									
Ft Worth	07	0100CST 0300CST			0	0			Flash Flood
									Several roads throughout the county were closed due to high water.
Grayson County									
Sherman	07	0103CST 0300CST			0	0			Flash Flood
									Severe flooding prompted the evacuations of residents along Sand Creek.

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TEXAS, North									
Ellis County Waxahachie	07	0105CST			0	0			Thunderstorm Wind (G52)
Navarro County Corsicana	07	0105CST			0	0	2K		Thunderstorm Wind
			Power lines were blown down by strong winds.						
Falls County Westphalia	07	0110CST			0	0			Thunderstorm Wind (G61)
Limestone County 10 W Groesbeck	07	0110CST			0	0			Thunderstorm Wind (G52)
Falls County Marlin	07	0125CST			0	0			Thunderstorm Wind (G52)
Robertson County Hammond	07	0130CST			0	0			Thunderstorm Wind
			Trees were blown down by high winds.						
Falls County Rosebud	07	0135CST			0	0			Thunderstorm Wind (G52)
Limestone County Thornton	07	0135CST			0	0	170K		Thunderstorm Wind (G70)
			Winds estimated to 80 mph severely damaged homes and snapped trees.						
Milam County Ben Arnold	07	0135CST			0	0			Thunderstorm Wind (G52)
Milam County Rockdale	07	0135CST			0	0	2K		Thunderstorm Wind
			Trees and power lines were blown down.						
Van Zandt County Canton	07	0136CST			0	0	2K		Thunderstorm Wind (G71)
			Wind gusts measured to 82 mph at the Thompson Air Field blew down trees and power lines.						
Navarro County 8 N Dawson	07	0140CST			0	0			Thunderstorm Wind (G52)
Fannin County Bonham	07	0140CST 0300CST			0	0			Flash Flood
			Roads were reported flooded in and around town.						
Limestone County 7 NE Oletha	07	0155CST			0	0			Thunderstorm Wind (G61)
Rains County 6 SE Emory	07	0200CST			0	0	40K		Thunderstorm Wind
			A mobile home was severely damaged, trees were uprooted and barns destroyed by high winds in the Bright Star Community.						
Anderson County Tennessee Colony	07	0215CST			0	0			Thunderstorm Wind
			Numerous trees were blown down by strong winds.						
Anderson County 3 W Palestine	07	0225CST			0	0	500K		Thunderstorm Wind
			High winds damaged 25 homes and blew down trees and power lines.						
Anderson County Palestine	07	0228CST			0	0			Thunderstorm Wind (G52)
Denton County Denton	07	0235CST 0500CST			0	0	30K		Flash Flood
			Homes were reported flooded and numerous roads were closed.						

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TEXAS, North									
Grayson County									
Sherman	07	0300CST 0500CST			0	0			Flash Flood
Several roads around town were reported flooded and cars were stranded.									
Cooke County									
14 NW Gainesville	07	1612CST	0.1	20	0	0			Tornado (F0)
A brief tornado was reported on a ranch 4 miles northeast of Marysville.									
Tarrant County									
Azle	23 24	2327CST 0200CST			0	0			Flash Flood
A Pacific cold front moved into North Texas from the west during the day with the approach of an upper level disturbance. Widespread rain and thunderstorms developed over the central portions as the front moved into the area. This activity lingered over the same areas for several hours resulting in more than six inches of rain in some places. The ground was already very saturated from previous precipitation and serious flooding resulted. Several flood related deaths occurred as vehicles were stranded in flood waters.									
Low-lying areas were reported flooded with water over several roads.									
Denton County									
Argyle	23 24	2334CST 0200CST			0	0			Flash Flood
Low-lying areas were flooded with water over several roads.									
Haskell County									
Rochester	23	2335CST			0	0			Hail (1.00)
Tarrant County									
Keller	23 24	2338CST 0200CST			0	0	10K		Flash Flood
Low-lying areas were flooded and water was reported entering one home.									
Denton County									
Denton	24	0030CST 1300CST			0	0			Flash Flood
High water was reported over numerous roads throughout the county. Creeks and low-lying areas flooded portions of Highway 377 and several county roads between Denton and Argyle. Some creeks were still flooded through 1300CST.									
Denton County									
Denton	24	0030CST 0400CST			3	0			Flash Flood
Up to five inches of rain in a few hours caused Cooper Creek to overflow its banks resulting in several feet of water to flow across the Mayhill Road Bridge. A car that was driven into the flood waters stalled and the driver was washed downstream and drowned as he attempted to leave the vehicle.									
Heavy rain also caused Pecan Creek to overflow its banks and flood nearby Bell Avenue. A car driven into the flood waters was swept downstream. Two of the three passengers drowned in the flood waters and the third managed to crawl to safety. M24VE, F21VE, M21VE									
Tarrant County									
Keller	24	0030CST 0300CST			1	0			Flash Flood
Heavy rain caused Bear Creek to overflow its banks and flood Bear Creek Road. An elderly woman that drove into the flood waters, was swept into the creek and drowned. F79VE									
Parker County									
Springtown	24	0048CST 0230CST			0	0			Flash Flood
Low-lying areas were flooded with water reported over several roads.									
Wise County									
Aurora	24	0050CST 0300CST			0	0			Flash Flood
Highway 114 was covered with high water and was reported impassable.									
Bosque County									
Clifton	24	0300CST			0	0	100K		Thunderstorm Wind
High winds removed the roof of the Central Texas Academy of Performing Arts building.									

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TEXAS, North									
Coryell County									
Gatesville	24	0304CST			0	0	5K		Thunderstorm Wind
	A metal building was destroyed and some of the debris was blown onto power lines.								
Dallas County									
Garland	24	0310CST 0500CST			0	0			Flash Flood
	Duck Creek was three feet out of its banks and flooded a nearby road, rendering it impassable.								
Dallas County									
Mesquite	24	0325CST 0530CST			0	0			Flash Flood
	Highway 80 at Beltline was flooded.								
Tarrant County									
Arlington	24	0330CST 0500CST			0	0			Flash Flood
	Water was reported over a road.								
Bell County									
Killeen	24	0330CST			0	0	5K		Thunderstorm Wind
	High winds destroyed a metal building and blew portions of it across the road.								
Dallas County									
Garland	24	0335CST 0530CST			0	0			Flash Flood
	Homes were evacuated due to rising flood waters.								
Tarrant County									
Watauga	24	0337CST 0500CST			0	0			Flash Flood
	Fossil Creek came out of its banks and flooded portions of Highway 377.								
Mclennan County									
Waco	24	0400CST			0	0			Thunderstorm Wind (G50)
	High winds blew down large tree branches.								
Hopkins County									
Sulphur Spgs	24	0415CST 0600CST			0	0			Flash Flood
	Highway 11 was reported flooded.								
Grayson County									
2 W Collinsville	24	0535CST 0800CST			0	0			Flash Flood
	County line road was flooded by high water.								
Hopkins County									
Sulphur Spgs	24	0830CST 1000CST			0	0			Flash Flood
	Flooding closed bridges on Highway 2381.								
TXZ091>095-098>107- 115>123-129>135- 141>148-156>162- 174>175	Montague - Cooke - Grayson - Fannin - Lamar - Haskell - Throckmorton - Young - Jack - Wise - Denton - Collin - Hunt - Delta - Hopkins - Stephens - Palo Pinto - Parker - Tarrant - Dallas - Rockwall - Kaufman - Van Zandt - Rains - Eastland - Erath - Hood - Somervell - Johnson - Ellis - Henderson - Comanche - Mills - Hamilton - Bosque - Hill - Navarro - Freestone - Anderson - Lampasas - Coryell - Bell - Mclennan - Falls - Limestone - Leon - Milam - Robertson								
	24	1400CST			0	0			Winter Storm
	25	1200CST							
	By the late evening hours on the 24th, an arctic cold front had pushed through much of North Texas. Widespread precipitation occurred over the area ahead of an intense upper level low pressure system as warm, moist air was lifted over the shallow arctic air. As the arctic air deepened, the rain changed to freezing rain and freezing drizzle then to sleet across much of the area. The sleet ultimately changed to a mixture of sleet and snow over the northwest half of the area as the arctic air deepened further. Generally, one half to one inch of sleet and snow fell west of a Texarkana to Centerville line. Northwest of a Bowie to Weatherford to Comanche line, convective sleet and snow showers occurred and heavier amounts, mainly two to four inches of snow and sleet, were observed. Icing on roadways, especially bridges and overpasses, resulted in many traffic accidents and a few indirect deaths.								
Hopkins County									
Sulphur Spgs	24 25	2300CST 0100CST			0	0	25K		Flash Flood
	Heavy rain flooded streets and two homes which were eventually evacuated.								

